

SECRET

COPY / OF /

LAC  
PY O

25X1A

To

[Redacted]

From

EDD  
WER  
RDC  
RLP  
KE  
SI  
PC

Date : October 22, 1963

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Subject : Suit Neck Seals and Wedge Sole Boots

EYE

Results of usage on the two suits modified for the neck seal indicate there is little or no advantage in use of a neck seal in lieu of the face seal. It is recommended that no further effort be expended on this neck seal.

Detail

a. Oxygen consumption:

No improvement over face seal.

Subject 1045 - Neck Seal (3 flights) 21.5 LPM Average

Subject 1045 - Face Seal 20.5 LPM Average

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10/17/63 - I had [Redacted] call Buffalo and put a hold on:

(1) Neck seal removal on B-1 suit.

(2) Neck seal [Redacted] on [Redacted] suit.

(3) All [Redacted] e [Redacted] tested.

b. Hoses:

Four [Redacted] life support

c. Vent

Low [Redacted] - back of head.

d. Fog

Visor [Redacted] excessive sweat/moisture.

e. Mobility:

Less than with [Redacted] seal.

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f. Comfort and Donning:

Neck seal difficult to fit - tuck in.

Neck seal uncomfortable - Balloons on inflation - Horse collar effect.

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- g. The vent air duct extension into the glove appeared good - ☐  
was happy with this.

Since our primary reason for this trial was the desire to reduce oxygen consumption, there is no reason to continue these tests. We would like our pilot's suits reverted to the face seal configuration.

With regard to wedge sole boots vs conventional soles and heels, we would like to keep ours as they are - conventional soles and heels.

Best regards,

25X1A

kld

*LAC test pilots -  
no need for wedge soles  
2/15*

*Green*

*R*

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